

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-5019
C-191

MAILING ADDRESS:
Box 3667
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES
JAMES L. CALVER, COMMISSIONER
WATER WELL COMPLETION REPORT

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

OWNER: Robert C. Clark Mailing Address: Route 4 Box 303
Glen Allen, Virginia 23060

TENANT: _____ Mailing Address: _____

DRILLER: Sydnor Hydrodynamics, Incorporated Mailing Address: P. O. Box 27186
Richmond, Virginia 23261

WELL LOCATION: County Hanover Approx. 1/4 ^{feet}/_{miles} west (direction) of
U. S. Highway 1 and 1/4 ^{feet}/_{miles} south (direction) of State Route 623

(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TWO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC. - ON COUNTY HIGHWAY OR OTHER MAP.)

DATE STARTED: July 20, 1976 DATE COMPLETED: July 27, 1976

TYPE OF DRILL RIG USED: rotary TOTAL DEPTH 250 feet

WATER LEVEL: Stands 28 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method pump

Drawdown _____ feet

Rate 5 gal. per min.

Duration 1 hrs., _____ min.

HOLE SIZE: 11 inches from 0 to 25 feet

6 inches from 25 to 250 feet

_____ inches from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

CASE SIZE: 6 inches from +2 to 25 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

WATER ZONES: from _____ to _____ feet

from _____ to _____ feet

from _____ to _____ feet

WATER: Color _____ Taste _____

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home

Farm _____ Town _____ School _____

Industry _____ Other _____

GROUTING: Method yes

Material _____ Depth 25 feet

PUMP: Type _____

Capacity _____ gal per min

Depth of intake _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No

DRILL CUTTINGS SAVED: Yes 25 No _____

(DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT INTERVALS. THESE SAMPLES MAY BE SHIPPED TO THIS OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISHED FREE OF CHARGE UPON REQUEST.)

REMARKS: _____

(LOG OF WELL) OVER

LOG

FURNISHED BY: Sylvester Kyger

DATE: _____

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	10	Yellow clay	
10	23	Blue marl	
23	80	Gray granite- small amount of water	
80	145	Hard gray granite	
145	168	Gray granite	
168	217	Red and gray granite	
217	250	Light gray granite	
TOTAL DEPTH		250	

(Use additional forms if necessary)

OWNER : Robert C. Clark
DRILLER: Sydnor Hydrodynamics
COUNTY : Hanover (Elmont)

W# : 5019
C# : 191
TOTAL DEPTH: 250'
QUAD : Yellow Tavern

GEOLOGIC LOG

Depth
(feet)

- 0-10 Sand- dark yellowish-orange; abundant clay; medium grained to gravel; subangular to subrounded; poorly sorted; quartz; feldspar; few flakes of muscovite; few opaques.
- 10-20 Sand- light olive gray; moderate clay; fine grained, some medium grains; subangular to subrounded; well sorted; quartz; few black phosphatic fragments; muscovite.
- 20-30 Granite (slightly weathered)- very light gray; quartz; white potassic feldspar; some biotite; few flakes of muscovite.
- 30-40 As above except 2% biotite.
- 40-50 Granite (weathered)- light gray; slightly clayey; quartz; white potassic feldspar; 5% biotite; few flakes of muscovite.
- 50-60 Granite (weathered)- yellowish-gray; slightly clayey; quartz; white potassic feldspar; 7% biotite; few flakes of muscovite; pyrite.
- 60-70 Granite (slightly weathered)- very light gray; quartz; white potassic feldspar; 5% biotite; 2% muscovite; some pink microcline; few grains of pyrite.
- 70-80 As above except some muscovite.
- 80-90 Granite (weathered)- very light gray; slightly clayey; quartz; white potassic feldspar; 10% biotite; few flakes of muscovite; pyrite.
- 90-100 As above except 15% biotite; some pink microcline.
- 100-110 As above except 10% biotite.
- 110-120 Granite- very light gray; quartz; white potassic feldspar; 7% biotite; few grains of pink microcline; muscovite.
- 120-130 Granite- light gray, white, pale orange; coarse grained; quartz; white potassic feldspar; pink microcline; 7% biotite; some muscovite.
- 130-140 As above except very light gray.

Depth
(feet)

- 140-150 As above plus few grains of garnet.
- 150-160 Granite- light gray; medium grained; quartz; white potassic feldspar; pink microcline; 7% biotite; few flakes of muscovite.
- 160-170 Granite- very light gray, moderate orange pink; quartz; pink microcline; white potassic feldspar; 5% biotite; few flakes of muscovite.
- 170-180 Granite- light gray; medium grained; quartz; white potassic feldspar; 10% biotite; some pink microcline; few flakes of muscovite.
- 180-190 Granite- medium light gray, moderate orange pink; very coarse grained; pink microcline; quartz; 5% biotite; 3% muscovite; white potassic feldspar; few grains of pyrite.
- 190-200 As above except 5% muscovite; 2% biotite.
- 200-210 As above except some biotite.
- 210-220 As above except moderate orange pink.
- 220-230 Granite- medium dark gray, grayish-orange pink; quartz; pink microcline; 15% biotite; 3% muscovite; few grains of pyrite.
- 230-240 Granite- very pale orange, white, light gray; quartz; pink microcline; white potassic feldspar; 5% microcline; 3% biotite.
- 240-250 As above except some biotite; some plagioclase.

Logged by: Michael T. Currie
July 2, 1979